



GAS SENSOR AND GAS ANALYTIC DEVICE AND HIGH TEMPERATURE CONNECTOR USED THEREFOR

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Inventor: NISHIWAKI MOTOSUKE; MURASE TAKAO

Applicant: NGK INSULATORS LTD

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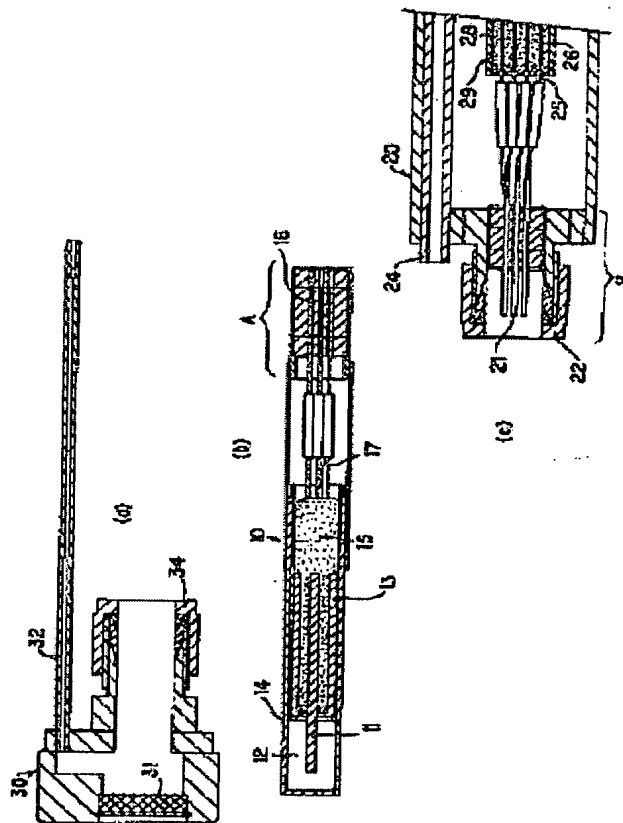
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Abstract of JP2002257773

PROBLEM TO BE SOLVED: To provide a gas sensor and gas analytic device which require only the replacement of a part of the gas sensor without requiring the replacement of the whole gas sensor even in the occurrence of a failure or trouble in a part of the gas sensor and capable of extremely easily performing the replacement, and a high temperature connector preferably applied thereto. **SOLUTION:** This gas sensor comprises a sensor unit 10 having a plate-like gas sensor element 11 exposed to a gas detection part 12 with the residual part thereof airtightly fixed to a cylindrical porcelain tube 13 and a sensor-side connector part A having a heat resisting electric contact 16 on the end surface of a cylindrical metal pipe 14; a probe unit 20 having a probe-side connector part B attachably and detachably mounted on the sensor-side connector part A and having an electrically connected heat resisting electric contact 21; and a filter unit 30 attachably and detachably mounted on the end surface part of the cylindrical metal pipe 14 and having a filter 31 in the part opened to a measuring gas atmosphere side.



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